



# COPY

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN</b>  <b>PATENT APPLICATION</b>  <input type="checkbox"/> Declaration <input checked="" type="checkbox"/> Declaration  Submitted with      Submitted after Initial  Initial Filing      Filing (surcharge 37 CFR 1.16(e) required)	Attorney Docket No.	CNF-007
	First Named Inventor	Fike
	<b>COMPLETE IF KNOWN</b>	
	Application Serial Number	10/666,914
	Filing Date	September 19, 2003
	Group Art Unit	Not yet assigned
	Examiner Name	Not yet assigned

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MODE CONVERTER INCLUDING TAPERED WAVEGUIDE

FOR OPTICALLY COUPLING PHOTONIC DEVICES

(Title of the Invention)

the specification of which

☐ is attached hereto  
OR

☒ was filed on September 19, 2003 as United States Application Serial Number or PCT International (MM/DD/YYYY)

Application Number 10/666,914 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information known by me which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Serial Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application serial numbers are listed on a supplemental priority data sheet attached hereto.
60/298,753	06/15/2001	
60/351,690	01/25/2002	
60/412,250	09/20/2002	

## Declaration and Power of Attorney for Utility or Design Patent Application

Serial No. 10/666,914

Atty. Docket No. CNF-007

Page 2 of 6

**DECLARATION – Utility or Design Patent Application**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Serial Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
10/099,482	03/15/2002	

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed below

Place Customer  
Number Bar Code  
Label Here

Name	Registration Number	Name	Registration Number
Andrew F. Abramson	52,538	Duncan A. Greenhalgh	38,678
Steven M. Bauer	31,481	William R. Haulbrook	53,002
Mark L. Beloborodov	50,773	Ira V. Heffan	41,059
Robert S. Blasi	50,389	Andrew L. Jagenow	51,842
Michael H. Brodowski	41,640	Douglas J. Kline	35,574
Jennifer A. Camacho	43,526	M. Brad Lawrence	47,210
Joseph A. Capraro, Jr.	36,471	William A. Meunier	41,193
Fangli Chen	51,551	Thomas C. Meyers	36,989
Christopher H. Chung	50,351	Jennifer G. Moitosa	51,752
John J. Cotter	38,116	Ronda P. Moore	44,244
James C. De Vellis	52,814	Jeremy P. Occek	50,794
Robert V. Donahoe	46,667	Jason A. Reyes	41,513
Brian A. Fairchild	48,645	Jamie H. Rose	45,054
James E. Fajkowski	54,089	Christopher W. Stamos	35,370
Jason P. Fiorillo	52,892	Diana M. Steel	43,153
John V. Forcier	42,545	Robert J. Tosti	35,393
Steven J. Frank	33,497	Thomas A. Turano	35,722
Kia L. Freeman	47,577	Natasha C. Us	44,381
Brian M. Gaff	44,691	Christine C. Vito	39,061
Edward A. Gordon	54,130	Daniel A. Wilson	45,508
		Gerald E. Worth	45,238

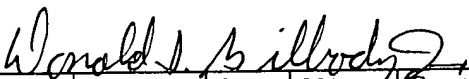
☐ Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.

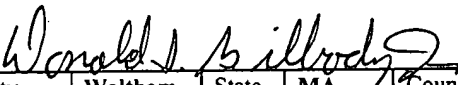
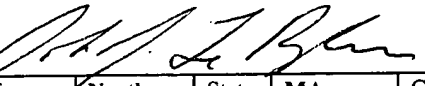
Direct all correspondence to:

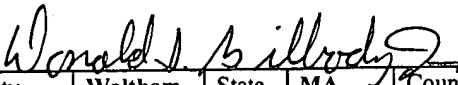
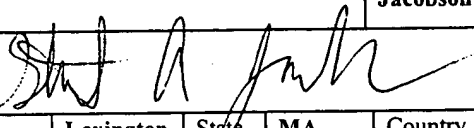
Patent Administrator  
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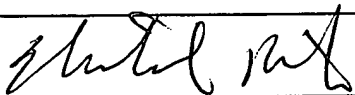
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])					Family Name or Surname				
Eugene E.					Fike				
Inventor's Signature	<i>Eugene E. Fike</i>						Date		
Residence	City	Amesbury	State	MA	Country	USA	Citizenship	USA	
Mailing Address	60 West Greenwood Street								
Mailing Address (ln. 2)	City	Amesbury	State	MA	ZIP	01913	Country	USA	
<input checked="" type="checkbox"/> Additional inventors are being named on the 3 supplemental Additional Inventor(s) sheet(s) attached hereto.									
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])					Family Name or Surname				
John					Fijol				
Inventor's Signature	<i>John S Fijol</i>						Date	12/19/03	
Residence	City	Shrewsbury	State	MA	Country	USA	Citizenship	USA	
Mailing Address	19 Wadsworth Road								
Mailing Address (ln. 2)	City	Shrewsbury	State	MA	ZIP	01545	Country	USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])					Family Name or Surname				
Philip B.					Keating				
Inventor's Signature	<i>Philip B. Keating</i>						Date	12-17-03	
Residence	City	Salem	State	MA	Country	USA	Citizenship	USA	
Mailing Address	5 Ocean Avenue								
Mailing Address (ln. 2)	City	Salem	State	MA	ZIP	01970	Country	USA	

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION					ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 3					
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
Donald I.					Gilbody, Jr.					
Inventor's Signature					Date					
Residence		City	Waltham	State	MA	Country		USA	Citizenship	USA
Mailing Address		25 Cushing Street								
Mailing Address (ln. 2)		City	Waltham	State	MA	ZIP	02453		Country	USA
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
John J.					LeBlanc					
Inventor's Signature					Date					
Residence		City	North Andover	State	MA	Country		USA	Citizenship	USA
Mailing Address		112 Abbott Street								
Mailing Address (ln. 2)		City	North Andover	State	MA	ZIP	01845		Country	USA
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
Stuart A.					Jacobson					
Inventor's Signature					Date					
Residence		City	Lexington	State	MA	Country		USA	Citizenship	USA
Mailing Address		8 Barrymeade Drive								
Mailing Address (ln. 2)		City	Lexington	State	MA	ZIP	02421		Country	USA

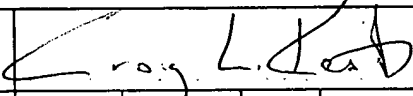
DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION					ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>3</u>					
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
Donald I.					Gilbody, Jr.					
Inventor's Signature					Date					
Residence		City	Waltham	State	MA	Country	USA		Citizenship	USA
Mailing Address		25 Cushing Street								
Mailing Address (ln. 2)		City	Waltham	State	MA	ZIP	02453		Country	USA
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
John J.					LeBlanc					
Inventor's Signature					Date		1-7-03			
Residence		City	North Andover	State	MA	Country	USA		Citizenship	USA
Mailing Address		112 Abbott Street								
Mailing Address (ln. 2)		City	North Andover	State	MA	ZIP	01845		Country	USA
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
Stuart A.					Jacobson					
Inventor's Signature					Date					
Residence		City	Lexington	State	MA	Country	USA		Citizenship	USA
Mailing Address		8 Barrymeade Drive								
Mailing Address (ln. 2)		City	Lexington	State	MA	ZIP	02421		Country	USA

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION					ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>3</u>					
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])					Family Name or Surname					
Donald I.					Gilbody, Jr.					
Inventor's Signature						Date				
Residence		City	Waltham	State	MA	Country	USA		Citizenship	USA
Mailing Address		25 Cushing Street								
Mailing Address (ln. 2)		City	Waltham	State	MA	ZIP	02453		Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])					Family Name or Surname					
John J.					LeBlanc					
Inventor's Signature						Date				
Residence		City	North Andover	State	MA	Country	USA		Citizenship	USA
Mailing Address		112 Abbott Street								
Mailing Address (ln. 2)		City	North Andover	State	MA	ZIP	01845		Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])					Family Name or Surname					
Stuart A.					Jacobson					
Inventor's Signature						Date		1/9/04		
Residence		City	Lexington	State	MA	Country	USA		Citizenship	USA
Mailing Address		8 Barrymeade Drive								
Mailing Address (ln. 2)		City	Lexington	State	MA	ZIP	02421		Country	USA

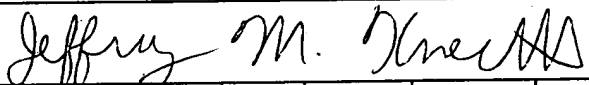
DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION					ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>2</u> of <u>3</u>					
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
Michael B.					Frish					
Inventor's Signature					Date		20 Jan 2004			
Residence		City	Andover	State	MA	Country		USA	Citizenship	USA
Mailing Address		7 Pilgrim Drive								
Mailing Address (ln. 2)		City	Andover	State	MA	ZIP	01810		Country	USA
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
Carl U.					Bozler					
Inventor's Signature					Date					
Residence		City	Waltham	State	MA	Country		USA	Citizenship	USA
Mailing Address		103 Bishops Forest Drive								
Mailing Address (ln. 2)		City	Waltham	State	MA	ZIP	02452		Country	USA
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname					
Craig L.					Keast					
Inventor's Signature					Date					
Residence		City	Groton	State	MA	Country		USA	Citizenship	USA
Mailing Address		65 Duck Pond Drive								
Mailing Address (ln. 2)		City	Groton	State	MA	ZIP	01450		Country	USA

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION					ADDITIONAL INVENTOR(S) Supplemental Sheet Page 2 of 3				
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])					Family Name or Surname				
Michael B.					Frish				
Inventor's Signature					Date				
Residence	City	Andover	State	MA	Country	USA		Citizenship	USA
Mailing Address		7 Pilgrim Drive							
Mailing Address (ln. 2)	City	Andover	State	MA	ZIP	01810		Country	USA
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])					Family Name or Surname				
Carl U.					Bozler				
Inventor's Signature		<i>Carl U. Bozler</i>			Date		1/14/09		
Residence	City	Waltham	State	MA	Country	USA		Citizenship	USA
Mailing Address		103 Bishops Forest Drive							
Mailing Address (ln. 2)	City	Waltham	State	MA	ZIP	02452		Country	USA
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])					Family Name or Surname				
Craig L.					Keast				
Inventor's Signature					Date				
Residence	City	Groton	State	MA	Country	USA		Citizenship	USA
Mailing Address		65 Duck Pond Drive							
Mailing Address (ln. 2)	City	Groton	State	MA	ZIP	01450		Country	USA



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Given Name (first and middle [if any])					Family Name or Surname				
Michael B.					Frish				
Inventor's Signature						Date			
Residence		City	Andover	State	MA	Country		USA	
Mailing Address		7 Pilgrim Drive							
Mailing Address (ln. 2)		City	Andover	State	MA	ZIP	01810		Country
		USA							
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Given Name (first and middle [if any])					Family Name or Surname				
Carl U.					Bozler				
Inventor's Signature						Date			
Residence		City	Waltham	State	MA	Country		USA	
Mailing Address		103 Bishops Forest Drive							
Mailing Address (ln. 2)		City	Waltham	State	MA	ZIP	02452		Country
		USA							
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])					Family Name or Surname				
Craig L.					Keast				
Inventor's Signature						Date		11/2/04	
Residence		City	Groton	State	MA	Country		USA	
Mailing Address		65 Duck Pond Drive							
Mailing Address (ln. 2)		City	Groton	State	MA	ZIP	01450		Country
		USA							

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION					ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 3					
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])					Family Name or Surname					
Michael					Fritze					
Inventor's Signature		<i>Michael Fritze</i>				Date		1/10/04		
Residence		City	Acton	State	MA	Country		USA	Citizenship	USA
Mailing Address		6 Old Surrey Drive								
Mailing Address (ln. 2)		City	Acton	State	MA	ZIP	01720		Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])					Family Name or Surname					
Jeffrey M.					Knecht					
Inventor's Signature						Date				
Residence		City	Brookline	State	NH	Country		USA	Citizenship	USA
Mailing Address		34 Laurel Crest Drive								
Mailing Address (ln. 2)		City	Brookline	State	NH	ZIP	03033		Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle [if any])					Family Name or Surname					
Inventor's Signature						Date				
Residence		City		State		Country			Citizenship	
Mailing Address										
Mailing Address (ln. 2)		City		State		ZIP			Country	

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Given Name (first and middle [if any])					Family Name or Surname				
Michael					Fritze				
Inventor's Signature					Date				
Residence	City	Acton	State	MA	Country	USA		Citizenship	USA
Mailing Address		6 Old Surrey Drive							
Mailing Address (ln. 2)	City	Acton	State	MA	ZIP	01720		Country	USA
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Jeffrey M.					Knecht				
Inventor's Signature					Date		11/19/04		
Residence	City	Brookline	State	NH	Country	USA		Citizenship	USA
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Mailing Address (ln. 2)	City	Brookline	State	NH	ZIP	03033		Country	USA
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Inventor's Signature					Date				
Residence	City		State		Country			Citizenship	
Mailing Address									
Mailing Address (ln. 2)	City		State		ZIP			Country	